



## Problem Statement – 2(category – Med-Tech)

Hospital assistance system

### 1. Objective

- Develop a smart hospital management cross platform app or web, that reduces doctors' workload by assisting in patient analysis, prioritizing critical cases, and streamlining hospital processes.
- The system will provide **AI-assisted patient assessment**, **virtual consultations(video conferencing)**, and **digital hospital management**, ensuring that doctors make the final decisions while saving their time by quickly viewing ai summaries for general cases like fever etc

### 2. Key Features:

Mobile Application or Website with features as follow:-

- ***Smart Symptom Analysis & Treatment Suggestions***

AI should assign severity score to each patient based on previous medical history, age, symptoms etc and generates a summary of diseases, medicines and any additional points which doctors can review further it will help doctors to save time in analysing patients data. Helpful for common diseases like fever, cough, etc.

- ***Easy Doctor Consultations***

Book video calls or chat with doctors. They can review AI reports before the session to save time.

- ***Secure Payments & Medical Records***

Pay for hospital services online and store prescriptions, reports, and save billing history safely in one place.

## **Additional Features (Optional)**

- ***AI-Powered Health Monitoring*** – Tracks vitals (if wearable data is available) and alerts doctors in case of abnormal readings.
- ***Integration with Pharmacy & Labs*** – Auto-generates prescriptions and connects with pharmacies for medicine availability.
- ***Emergency Alert System*** – Notifies hospitals of high-severity cases in real-time for quick response.
- ***Multilingual Support*** – Assists patients in different languages for better accessibility.

### 3. Tech-Stack

- **Backend and APIs** – any technology that participants chose
- **Mobile Application** – any technology that participants chose